

PATENT

App. Ser. No.: 10/636,061
Atty. Dkt. No. ROC920030156US1
PS Ref. No.: IBMK30156

15. (Currently Amended) A computer readable medium containing a program for performing a boot process for a computer system which, when executed by a processor, performs operations comprising:

providing a graphical user interface screen to allow a user to specify a plurality of time periods associated with a plurality of diagnostic tests;

determining when ~~the one or more~~ a plurality of diagnostic tests were last performed; and

in response to determining ~~that the one or more~~ one of the plurality of diagnostic tests have not been performed within ~~the one or more~~ corresponding time period[s], performing the ~~one or more~~ diagnostic test[s].

16. (Currently Amended) The computer readable medium of claim 15, wherein the operations further comprise providing an indication that the ~~one or more~~ plurality of diagnostic tests have not been performed within the ~~one or more~~ corresponding specified time periods.

17. (Cancelled) The computer readable medium of claim 15, further comprising providing an interface allowing a user to specify the one or more corresponding time periods.

18. (Currently Amended) A multi-processing computer system, comprising:
a plurality of hardware components; and
a service processor configured to boot the system and, during a boot process, perform ~~one or more~~ a plurality of diagnostic tests on the hardware components, in response to determining ~~the that one of the~~ one of the ~~or more~~ diagnostic tests have not been performed within ~~one or more~~ a corresponding time period[s]; and
a hardware management console in communication with the service processor, wherein the hardware management console is configured to provide a graphical user-

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interface screen allowing a user to specify the time periods associated with each of the plurality of diagnostic tests.

19. (Cancelled) The system of claim 18, further comprising a hardware management console in communication with the service processor.

20. (Currently Amended) The system of claim ~~19~~ 18, wherein the hardware management console is configured to provide an indication that the ~~one or more~~ diagnostic tests have not been performed.

21. (Cancelled) The system of claim 19, wherein the hardware management console is configured to provide a graphical user-interface screen allowing a user to specify periods of time associated with each of the one or more diagnostic tests.

22. (Currently Amended) The system of claim ~~21~~ 18, wherein the ~~one or more~~ diagnostic tests comprise at least one Logical Built-in Self Test and at least one Array Built-in Self Test, and wherein the graphical user-interface screen allows a user to specify a different time period for each.

Please add the following new claims:

23. (New) The method of claim 14, further comprising, for each diagnostic test, updating the timestamp with the current time after performing the diagnostic test.

24. (New) The method of claim 10, wherein, for each diagnostic test, the determining comprises examining a free timer that is preset to the specified time period associated with the diagnostic test.

25. (New) The method of claim 24, wherein the diagnostic test is performed when the timer expires.

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26. (New) The method of claim 10, further comprising, for each diagnostic test, generating a graphical user-interface screen indicating the diagnostic test has not been performed within the corresponding specified time period.

27. (New) The method of claim 26, wherein the graphical user-interface screen allows users to choose whether or not to perform the diagnostic test.

28. (New) The method of claim 10, wherein the plurality of diagnostic tests comprise at least one Logical Built-in Self Test and at least one Array Built-in Self Test, and wherein the graphical user-interface screen allows a user to specify a different time period for each.

29 (New) The computer readable medium of claim 15, wherein the plurality of diagnostic tests comprise at least one Logical Built-in Self Test and at least one Array Built-in Self Test, and wherein the graphical user-interface screen allows a user to specify a different time period for each.

30 (New) The computer readable medium of claim 15, further comprising, for each diagnostic test, generating a graphical user-interface screen indicating the diagnostic test has not been performed within the corresponding specified time period.

31. (New) The computer readable medium of claim 30, wherein the graphical user-interface screen allows users to choose whether or not to perform the diagnostic test.

32. (New) The system of claim 18, wherein the hardware management console is configured to provide, for each diagnostic test, a graphical user-interface screen indicating the diagnostic test has not been performed within the corresponding specified time period.

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33. (New) The system of claim 32, wherein the hardware management console is configured to provide the user a choice, through the graphical user-interface, of whether or not to perform the diagnostic test